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The credit card can be mated with the credit card reader 110. The credit card reader 110 includes special surfaces 130, 132 which press against the edges of the credit card, and hold the credit card into its proper location where the electrical contacts 131, 134 on the card reader mate against the corresponding electrode areas 126, 128 on the credit card. When held in that location, electrical contacts 134, 136 come into contact respectively with the electrodes 127, 128. When only two electrodes are used, another spacer element 135 is also provided which holds the credit card flat on the receiving base.

Page 8, beginning line 1 replace the following paragraph:

As described in further detail herein, when the credit card is mounted on the receiving base 110, communication with the processor and memory is carried via the contacts 136, 134 respectively contacting the contacts 128, 127. In addition, DC power is provided to the contacts, thereby charging the respective batteries at the same time. In one embodiment, the communications device 123 begins its attempt to communicate as soon as it receives a source of external power. This can include sending polls or requests over the serial and/or RF (e.g., Bluetooth) channels.

Page 16, beginning with line 17 replace the following paragraph:

This system can also use smart card style contacts on the credit card, in addition to, and/or in place of, the previously-discussed contact schemes as shown in Figure 9.

Page 19, beginning line 1 replace the following paragraph:

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Figure 10 shows a view of the Figure 4A-4B credit card 400 inserted into a slot in a cellular phone 1000. The information from the credit card is read through the contacts into the cell phone. As shown, the credit card is inserted with the short end into to the cell phone to reduce the amount of cell phone area that is taken by the insertion. In this embodiment, information from the credit card may be transferred, along with a session key from encryption device 1010, and optionally also with GPS information from GPS receiver 1015. The use of the session key enables the remote authorizer to determine that the credit card is based on a card that is inserted now, and not on stored information. The session key can be, for example, an encryption using a date and time stamp from a clock within the cell phone, or from the clock included in the cell phone carrier. As described above, certain credit card systems charge extra when the credit card cannot be swiped. In this system, the credit card is actually swiped as part of the procedure, and that fact is cryptologically ascertainable from the information.

Page 20, beginning line 17 replace the following paragraph:

Figure 12 shows using the edge contact credit card of Figure 4A-4B. At least part (e.g., the percentages noted above) of all four edges stick out when the credit card is inserted.

Page 22, beginning line 11 replace the following paragraph:

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Figure 16 shows an embodiment in which either in addition to or in place of the magnetic stripe 1400, a bar code section 1600 is provided. The bar code section can include the user's information, such as credit card number and/or biometric information, encoded into a bar code. This can use techniques described in my co-pending application no. 09/618,988, July 19, 2000 to use a type 39 bar code, digitize the information treated as a base 39 number, and then encoded into the bars on the credit card. The bar code can be written on a surface of the credit card, or can be written on the edge of the credit card.

Page 25, beginning line 1 replace the following paragraph:

These events may allow the credit card to be used for actions by another. A parent, for example, can give the credit card to a child or an employer can give the credit card to a worker. The owner can [said] set the kinds of transactions, limits or authorized stores where the surrogate can use the card. The owner can [said] set the amount of time that the authorization is valid, information on authorized surrogates (e.g., their photo or biometric). The owner can also [said] set an ending condition. For example, the user can tell the child that they can spend up to $200. They can set a spending limit either for the next 24 hours, or until the pin is entered to reset the card.

In the Drawings

The objection to the drawings have been corrected herein by amendment. Formal drawings will be filed in due course.

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